

MARICOPA COUNTY INFLUENZA SUMMARY UPDATE

Week ending January 1, 2005 (Week 52)

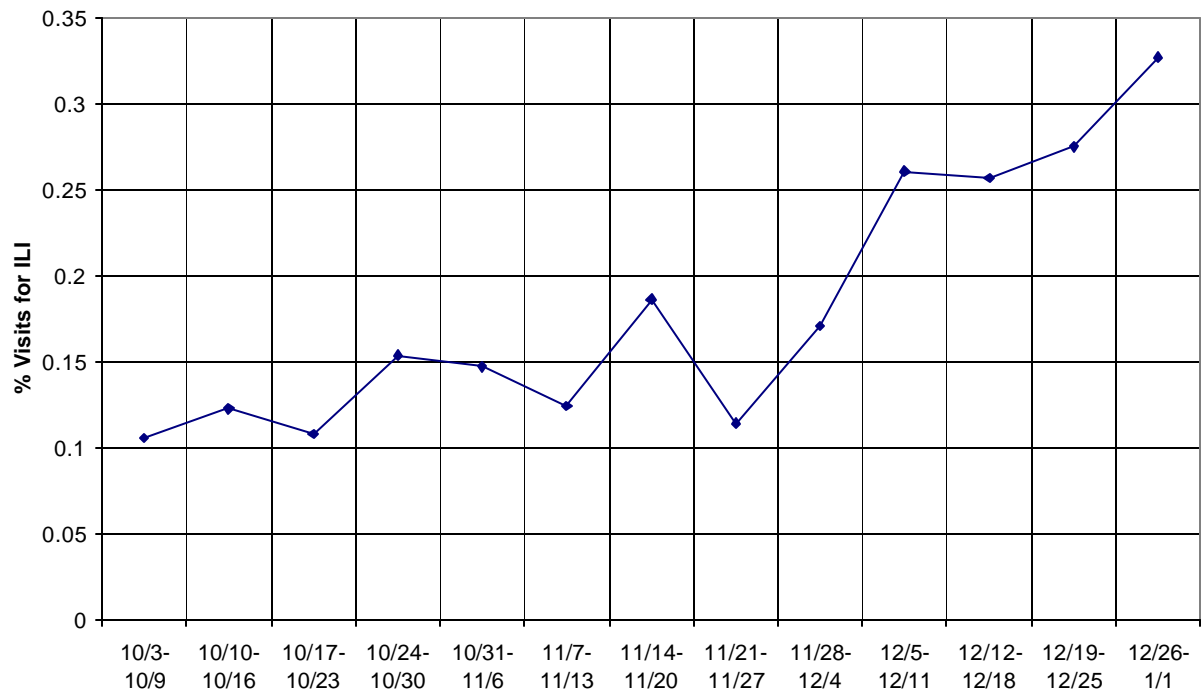
Synopsis: During week 52 (December 26, 2004 – January 1, 2005), eight laboratory-tested specimens were positive for influenza. The proportion of patient visits to Cigna Health Care Centers for influenza-like-illness (ILI) was 0.33%. The overall percentage of ER visits for ILI was 2.46%. Schools were on winter break, and long-term care center surveillance indicated insignificant influenza activity*.

Laboratory Surveillance: During week 52, a total of eight specimens tested positive for influenza. These four unsubtyped influenza A viruses, three unsubtyped influenza B viruses, and one untyped influenza virus were identified by direct florescent antibody, rapid testing, and viral culture at Mayo Clinic Hospital, Phoenix Children's Hospital, Scottsdale Healthcare, Sonora Quest Laboratory, St. Joseph's Hospital and Medical Center, and Urgent Care Specialists.

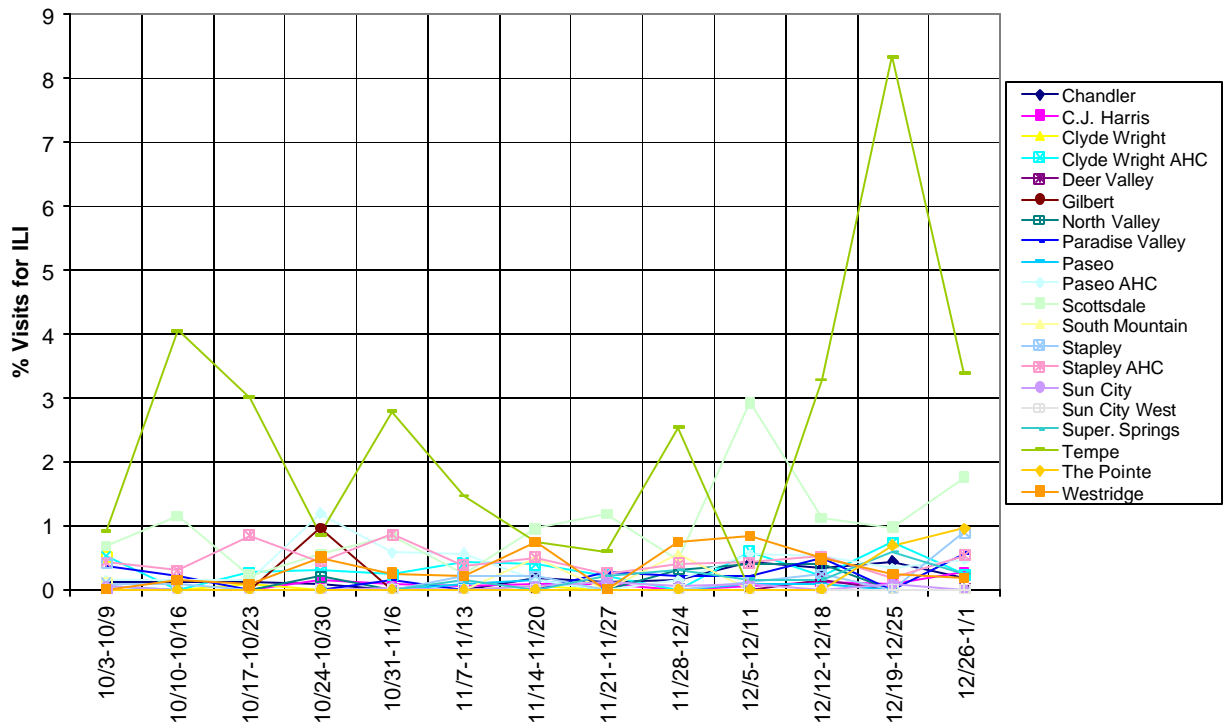
Pneumonia and Influenza (P&I) Mortality Surveillance: During week 52, the vital statistics office of Maricopa County reported that of all deaths, the percentage due to pneumonia or influenza was 7.6% in the City of Phoenix, 5.4% in Maricopa County less the City of Phoenix, and 6.0% for all of Maricopa County.

Influenza-like Illness Surveillance: During week 52, 0.33% of patient visits to Cigna Health Care facilities were due to ILI. The overall percentage of ER visits for ILI was 2.46%. Schools were on winter break. Due to wide variability between national and local-level data, it is not appropriate to apply any national baselines or thresholds to the information represented in this report.

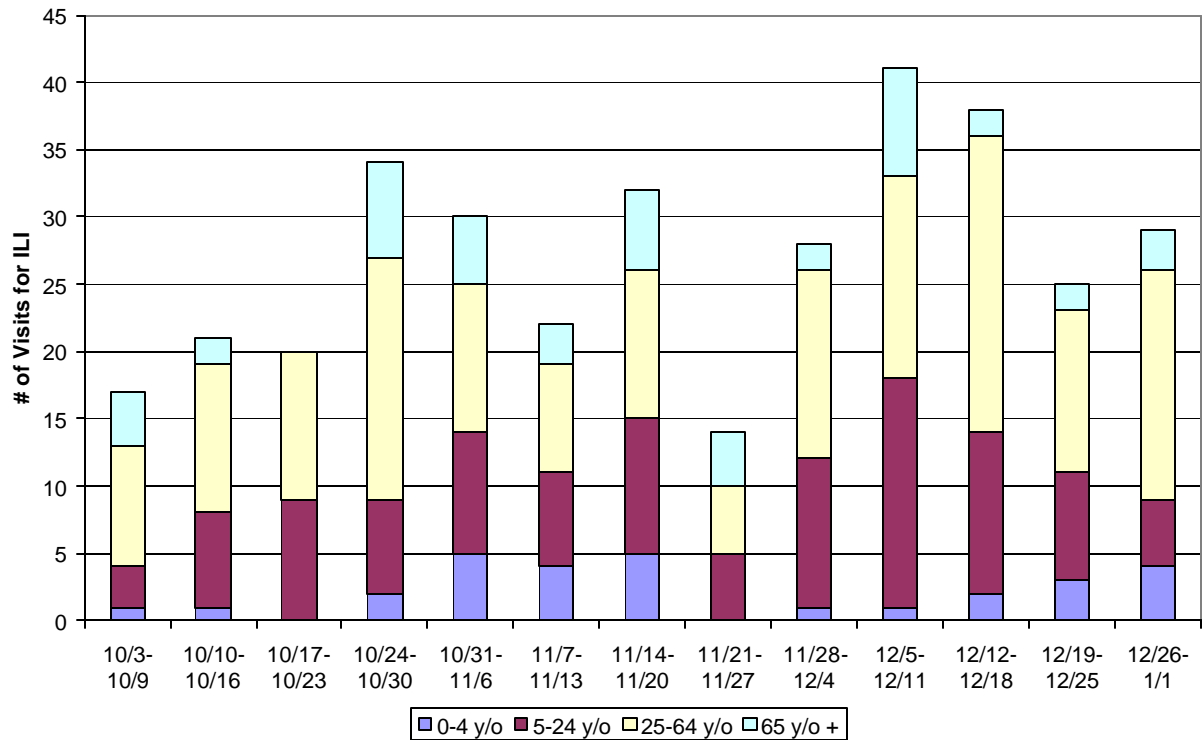
**Overall Percentage of Visits for Influenza-like Illness at Cigna Facilities,
Maricopa County 2004-05**



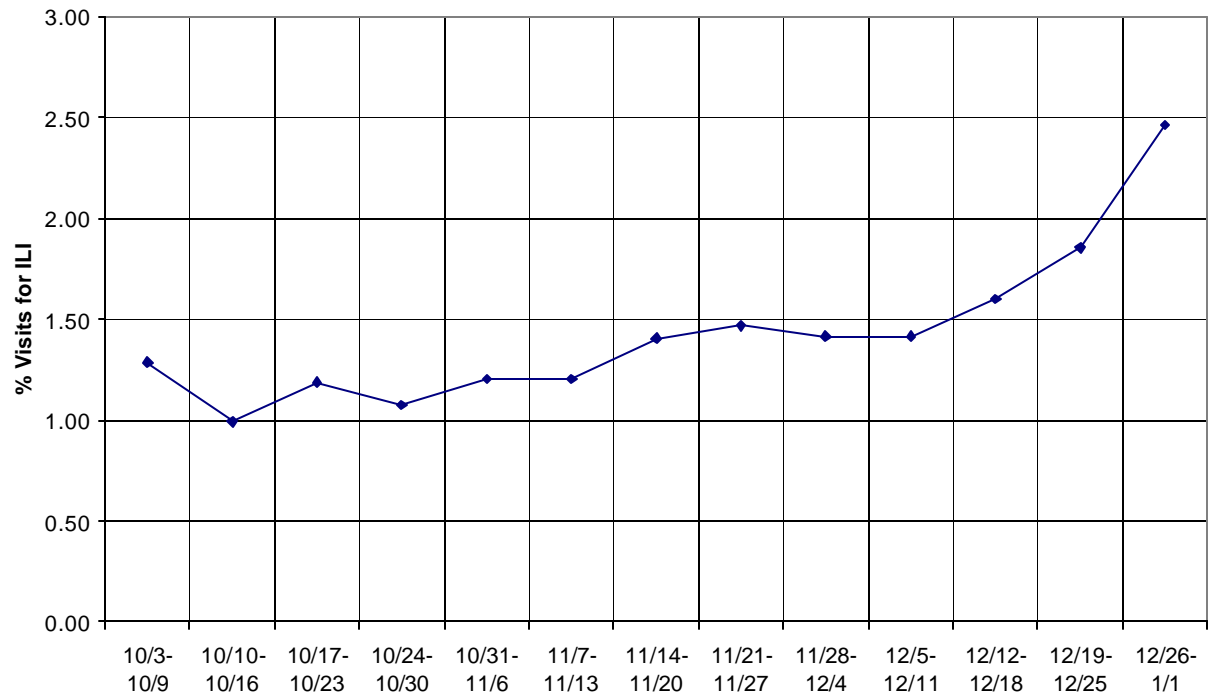
**Percentage of Visits for Influenza-like Illness at Cigna Facilities,
Maricopa County 2004-2005**



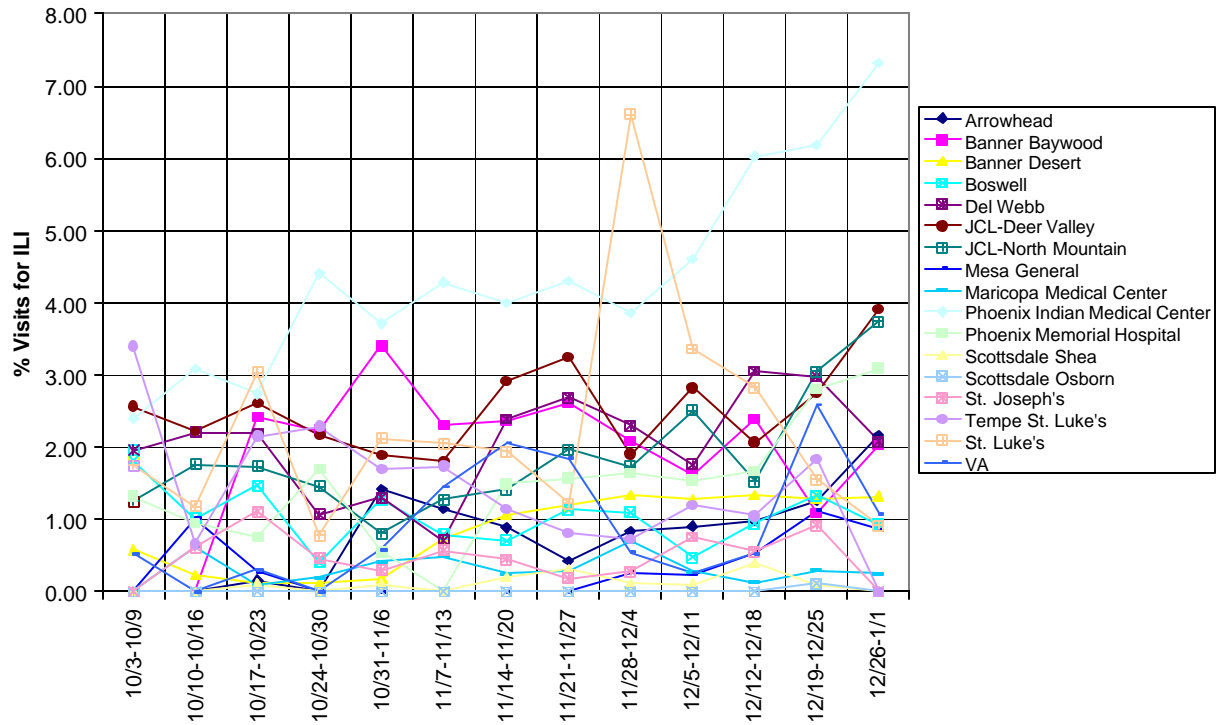
**Number of Visits to Cigna Facilities for Influenza-Like Illness,
Maricopa County 2004-05 (by age group)**



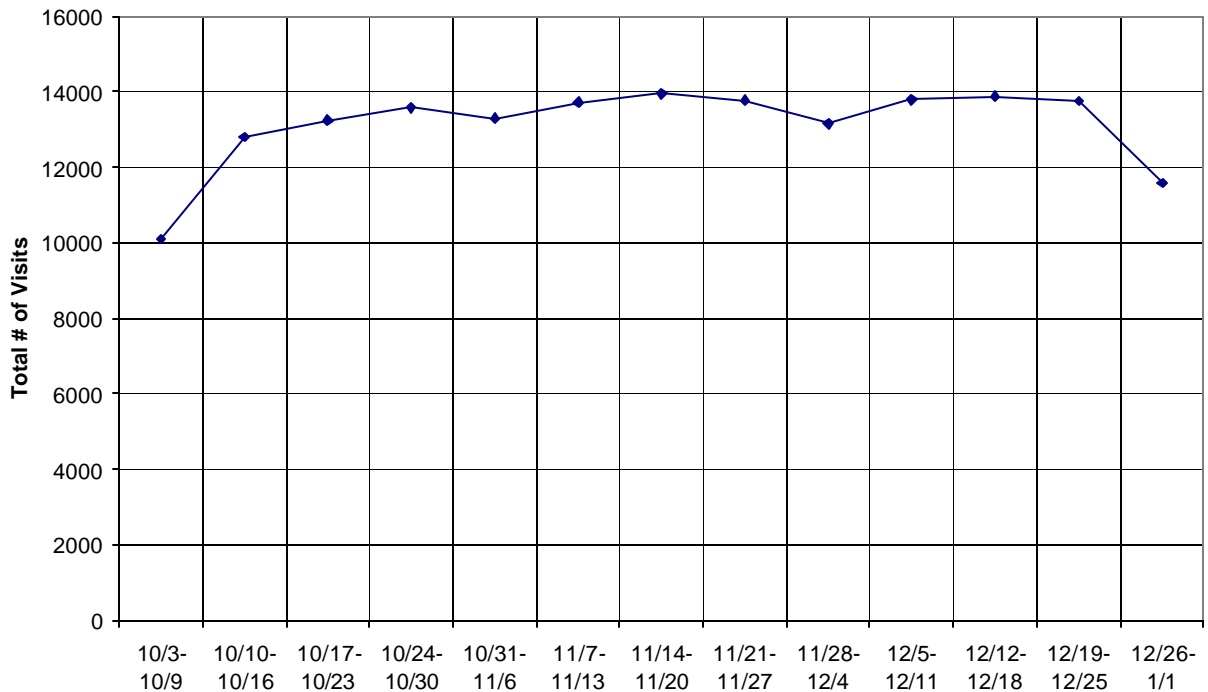
**Overall Percentage of Visits to ED for Influenza-like Illness,
Maricopa County 2004-05**



**Percentage of ED Visits for Influenza-like Illness,
Maricopa County 2004-05**



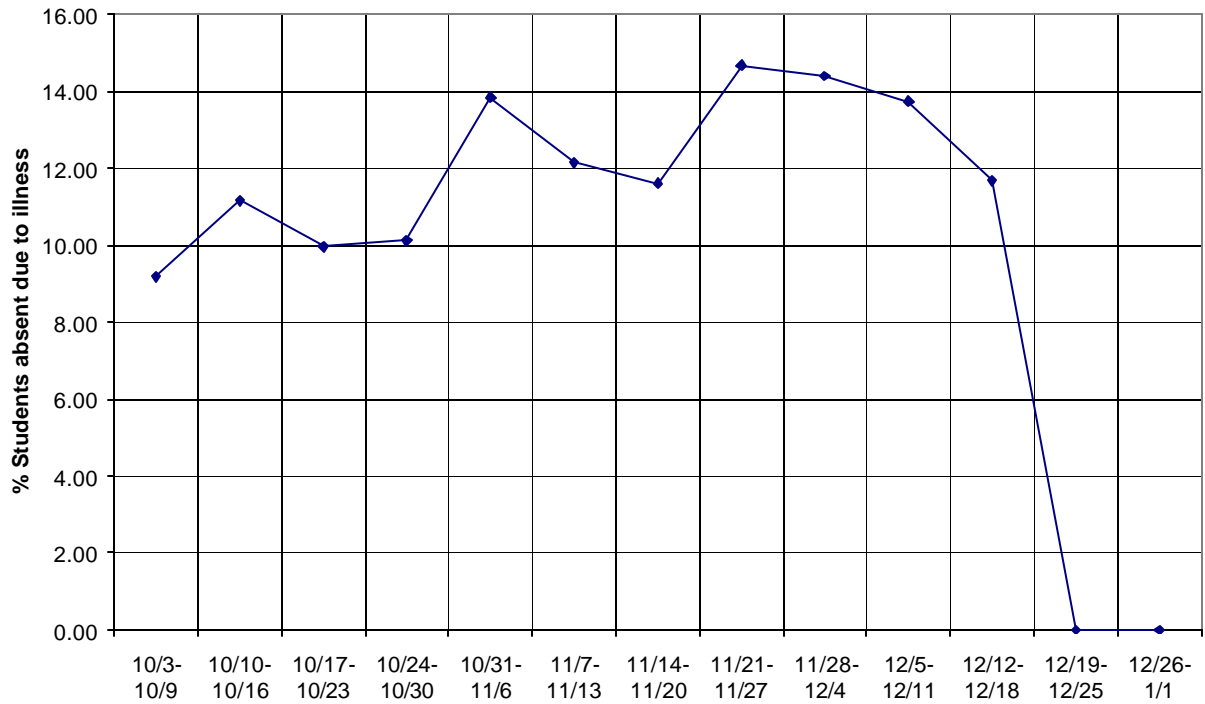
**Total Number of Visits to 17 Valley Emergency Departments,
Maricopa County Summary 2004-05**



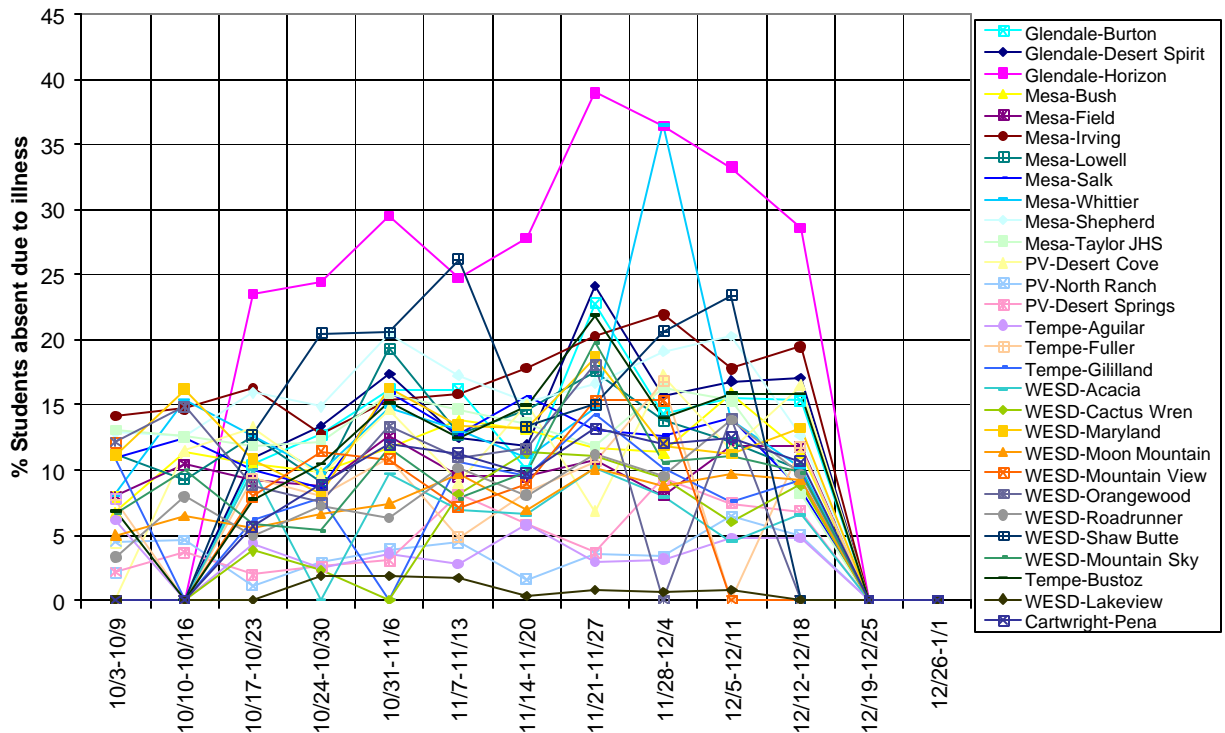
Week	% Students absent due to ILI
10/3-10/9	1.02
10/10-10/16	0.58
10/17-10/23	1.18
10/24-10/30	1.06
10/31-11/6	1.10
11/7-11/13	1.20
11/14-11/20	1.48
11/21-11/27	1.08
11/28-12/4	1.08
12/5-12/11	1.28
12/12-12/18	0.75
12/19-12/25	0.00
12/26-1/1	0.00

The graph displays the percentage of students absent due to ILI for ten schools. The y-axis represents the percentage, ranging from 0 to 4. The x-axis shows dates from 10/3-10/9 to 12/26-1/1. The schools are: Deer Valley-Legend Springs, Deer Valley-Park Meadows, Glendale-Landmark, Madison-Madison #1, Madison-Richard Simis, PV-Village Vista, Tempe-Thew, WESD-Desert Foothills, WESD-Desert View, WESD-Sunburst, and WESD-Sweetwater. The data shows varying trends, with some schools like WESD-Sunburst and WESD-Sweetwater showing higher peaks in late October and early November, while others like Glendale-Landmark and Madison-Madison #1 show peaks in late November and early December.

**Average Daily Percentage of Students Absent due to Illness,
Maricopa County Summary 2004-05**



**Average Daily Percentage of Students Absent due to Illness,
Maricopa County Summary 2004-05**



Case definition for influenza-like illness (ILI):

Fever (at least 100 degrees F) AND cough and/or sore throat

Surveillance Sources:

Hospital Emergency Departments: Arrowhead Community Hospital & Medical Center, Banner Baywood Medical Center, Banner Desert Medical Center, Carl T. Hayden VA Medical Center, Del E. Webb Memorial Hospital, John C. Lincoln Hospital-Deer Valley, John C. Lincoln Hospital-North Mountain, Mesa General Hospital, Maricopa Medical Center, Phoenix Indian Medical Center, Phoenix Memorial Hospital, Scottsdale Healthcare Shea, Scottsdale Healthcare Osborn, St. Joseph's Hospital & Medical Center, Tempe St. Luke's Hospital, St. Luke's Hospital, Walter Boswell Memorial Hospital

Cigna Health Care Centers: Chandler, CJ Harris, Clyde Wright, Clyde Wright AHC, Deer Valley, Gilbert, North Valley, Paradise Valley, Paseo, Paseo AHC, Scottsdale, South Mountain, Stapley, Stapley AHC, Sun City, Sun City West, Superstition Springs, Tempe, The Pointe, Westridge

Long-term Care Centers: Arbor Rose Assisted Living, Christian Care Nursing Center, Sun Health Care Center, Westminster Village

Schools: *Cartwright:* Pena; *Deer Valley:* Legend Springs, Park Meadows; *Glendale:* Burton, Desert Spirit, Horizon, Landmark; *Madison:* Madison #1, Richard Simis; *Mesa:* Bush, Field, Irving, Lowell, Salk, Shepherd, Taylor JHS, Whittier; *Paradise Valley:* Desert Cove, Desert Springs, North Ranch, Sonoran Sky, Village Vista; *Tempe:* Aguilar, Bustoz, Fuller, Gililand, Hudson, Thew; *Washington:* Acacia, Cactus Wren, Desert Foothills, Desert View, Lakeview, Maryland, Moon Mountain, Mountain Sky, Mountain View, Orangewood, Roadrunner, Shaw Butte, Sunburst, Sweetwater

* Influenza activity is defined as influenza-like illness and/or culture-confirmed influenza.

Cigna participates in CDC's Influenza Sentinel Surveillance program

Report can be found online at: http://www.maricopa.gov/public_health/epi/flu.asp

Report prepared: January 7, 2004